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		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
APPLICATION NO.	FILING DATE		CRED 2332	2964	
09/991,019	11/15/2001	Edward W. Nelson	CKED 2552		
,			EXAM	INER	
7012	7590 10/07/2003 LL AND BEDELL		NGUYEN, VINH P		
12670 N W B.	ARNES ROAD	ART UNIT	PAPER NUMBER		
SUITE 104 PORTLAND,	OR 97229		2829		
			DATE MAILED: 10/07/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

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-		Application No	р.	Applicant(s)				
		09/991,019		NELSON ET AL.				
Office Action Summary		Examin r		Art Unit				
		VINH P NGUY	EN	2829				
	DATE of this communication ap	pears on the cov	ersh et with th	orrespondenc ac	ldress			
Period for Reply			YOURE AMONTHS	C) EDOM				
THE MAILING DATE - Extensions of time may be after SIX (6) MONTHS from - If the period for reply specification of the period for reply is specification.	TUTORY PERIOD FOR REPLOF THIS COMMUNICATION. Ivailable under the provisions of 37 CFR 1. The mailing date of this communication. Ivailable under the provisions of 37 CFR 1. Ithe mailing date of this communication. Ithe mailing date of this communication. Ithe mailing date of the maximum statutory period to rextended period for reply will, by status ffice later than three months after the mailing ent. See 37 CFR 1.704(b).	136(a). In no event, he ply within the statutory r d will apply and will expi	nwever, may a reply be tim ninimum of thirty (30) days re SIX (6) MONTHS from n to become ABANDONE	ely filed s will be considered time the mailing date of this of	ly. communication.			
	communication(s) filed on 07	7/23/03 .						
2a)⊠ This action is		——— This action is non	-final.					
3) Since this ann	lication is in condition for allow	wance except for	formal matters, p	rosecution as to t	he merits is			
closed in acco	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
	is/are pending in the application		a matica					
	e claim(s) is/are withdr	rawn from consid	eration.					
,								
•								
•								
8) Claim(s) Application Papers	are subject to restriction and	l/or election requ	irement.					
9) The specification	n is objected to by the Examir	ner.						
10) The drawing(s)	☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.								
If approved, corrected drawings are required in reply to this Office action.								
12) The oath or de	claration is objected to by the	Examiner.						
Priority under 35 U.S.C	:. §§ 119 and 120							
13) Acknowledgm	ent is made of a claim for fore	ign priority unde	r 35 U.S.C. § 119(a)-(d) or (f).				
a)□ All b)□ S	ome * c) None of:							
	d copies of the priority docume							
2.☐ Certified	d copies of the priority docume	ents have been r	eceived in Applica	tion No				
ann	3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). See the attached detailed Office action for a list of the certified copies not received.							
14) Acknowledome	nt is made of a claim for dome	estic priority unde	er 35 U.S.C. § 119	(e) (to a provision	nal application).			
	lation of the foreign language							
a) ☐ The trains 15)☐ Acknowledgme	ent is made of a claim for domi	estic priority und	er 35 U.S.C. §§ 12	20 and/or 121.				
Attachment(s)		A	Interview Summa	ary (PTO-413) Paper	No(s)			
Notice of References C Notice of Draftsperson Information Disclosure	ited (PTO-892) s Patent Drawing Review (PTO-948) Statement(s) (PTO-1449) Paper No(5) s) 6)	Notice of Information Other:	al Patent Application (PTO-152)			

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1. Applicant's arguments filed on 07/23/03 have been fully considered but they are not persuasive.

Applicant argues that the switch of Ueno et al is connected at all times to the pin.

Examiner agrees with Applicants about this issue. However, the switch element (S1) has a first position in which it is electrically isolated from the pin (B1) and a second position in which the switch element (S1) is in electrically conductive contact with the pin (B1). Therefore, the switch (S1) of Ueno et al performs the same function as the one in the instant application.

Applicants argues that the switches of Sokolich are solid states. However, Examiner still believes that those switches still perform the same functions as the analog switches of the instant applications since the displaceable between a first poison and a second position would have the same meaning as "on " and "off" state in the electronic switch.

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1 and 11 (insofar as understood) are rejected under 35 U.S.C. 103(a) as being unpatentable over Ueno et al (Pat # 5,491,427).

As to claims 1,11, Ueno et al disclose in figure 16 an apparatus having a plurality of contact pins (B1-B10) with their first ends connected to a tester (24) through tester channels

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(straight signal path lines from switches S1-S10 to the tester (24)) and with their second ends connected to an LSI under test (22), a plurality of switches (S1-S10), wherein each switch is displaceable between a first position and second position for electrically connect/disconnect with one contact pins (B1-B10). It would have been obvious for one of ordinary skill in the art to consider that the LSI under test would be qualified as "a load board" since this broad term could cover a variety of devices or elements.

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4. Claims 12-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Sokolich (Pat # 4,465,972).

As to claims 12-14, Sokolich discloses an apparatus for testing a printed circuit board as shon in figures 4-5 having a pogo block (10), a plurality of pogo pins (15) mounted in the pogo block (10), a chip carrier (19) with an integrated circuit (20) including plurality of switches (C1-C10,B1-B10) as shown in figure 5. It appears that each of the switches electrically connected to each of the pogo pins (15).

- 5. Claims 2-9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 6. Claim 10 is allowable since the prior art does not disclose a detailed test head as recited in the instant claim.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to VINH P. NGUYEN whose telephone number is (703) 305-4914. 7.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4900.

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10/05/03